

ABSTRACT

A Web-based software system for storing and administrating access to secure electronic data on an archive server. A user at a client workstation running a web browser program logs onto a qualified web server, provides account qualifier data to a software application residing on the web server, and downloads an encryption applet from the software application. The user selects an electronic data file to be encrypted, and the file is encrypted to form an encrypted data packet which is stored on the archive server, and the encryption applet is then destroyed. The information is then securely stored on the archive server. A user retrieves the encrypted electronic data from the archive server by similarly downloading a decryption applet from the web server which is based on the original encryption sequence. The encrypted data packet is downloaded and decrypted to provide readable electronic data to a user at the client workstation. At plurality of client workstations can be coupled via a network, such as a LAN or WAN. The archive server can be coupled to the client workstations or the network, or alternatively, can be accessed from the client workstation via the Internet using SSL protocol. The user can select from a plurality of encryption algorithms according to the security needs of the user.

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